

Features

- OSC Nano power crystal oscillator
- Ultra low current consumption: 50 nA (32 kHz)
- Available in 4 frequency ranges: 15 - 50 kHz; 50 - 150 kHz; 150 - 500 kHz; 500 - 1500 kHz
- Low crystal ageing
- Clock operating voltage from 1.1 V to 5.5 V
- Internal crystal monitor with clock good indicator
- Integrated oscillator load capacitors
- Indicative core area: 0.04 mm²

General Description

OSCILLATOR: The crystal oscillator SGC61510 is optimized for ultra low power applications. The oscillators have been optimized to work from 15 kHz to 1500 kHz in ranges. It uses advanced amplitude control to achieve both ultra low power consumption and reduced crystal aging without compromising performance nor crystal selection flexibility. For 32 kHz RTC applications the SGC61510 can operate for weeks from the charge of a single super capacitor. It is specified from $T_j = -40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$.

Applications

Quick Reference

Applications Diagram